Question Paper
ANMC Mock Test Class 7 - Rational Number (Paper 2)

Exam ID : TEST/2024/01/05134500 Report Generation Date : 3/26/2024 2:59:42 PM

Q1: Find 3/5 + 11/9

A: 14/14

B: 82/14

C: 82/45

D: 33/45

Answer: C

Q2: Divide the sum of -2/5 and 3/8 by the product of 2/7 and 5/6

A: 21/200

B: -1/168

C: 1/168

D: -21/200

Answer: D

Q3: Which of the following rational numbers lies between 3/5 and 7/9?

A: 2/3

B: 4/5

C: 5/9

D: 8/15

Answer: A

Q4: Evaluate the following: (2/3) + (3/4 ÷ 6/7 ÷ 21/8)

A: 59/48

B: 1

C: 12/49

D: 5/3

Answer: B

Q5: What number should be added to -8/13 to get -8/5?

A: 63/65

B: -63/65

C: -64/65

D: -1

Answer: C

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Q6: Find the multiplicative inverse of: 13/8 × 1/5 + 2

A: -40/93

B: 40/93

C: 41/93

D: -41/93

Answer: B

Q7: Rohan had his two friends over for pizza. Rohan ate 1/7 of the pizza. One of his friends ate 3/7 of the pizza and the other friend ate 1/7 of the pizza. How much of the pizza is left?

A: 1/7

B: 1/6

C: 2/7

D: 3/7

Answer: C

Q8: Simplify the following: (15)5/3× (15)4/3 ÷ (5)3

A: 32

B: 152

C: 33

D: 53

Answer: C

Q9: What number should be subtracted from 4/9 to get -5/11?

A: 89/99

B: -86/99

C: -89/99

D: 86/99

Answer: A

Q10: The ratio between a two-digit number and the sum of the digit of that number is 7 : 1. If the digit in the ten’s place is 4 more than the digit in the unit’s place, what is the number?

A: 84

B: 51

C: 95

D: 40

Answer: A

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Q11: A student was asked to divide a number by 8 and add 16 to the quotient. He, however, first added 16 to the number and then divided it by 8, getting 126 as the answer. The correct answer should have been?

A: 142

B: 140

C: 118

D: 136

Answer: B

Q12: Sum of three fractions is 3 13/18. On dividing the largest fraction by the smallest fraction, 11/6 is obtained which is 2/3 greater than the middle fraction. The smallest fraction is:

A: 43/49

B: 43/52

C: 41/48

D: 46/51

Answer: D

Q13: Sum of two rational numbers is 9/5. If one of them is -3/7, then find the other rational number.

A: 48/35

B: 43/35

C: 78/35

D: 71/35

Answer: C

Q14: A basket contains three types of fruits weighing 86/3 kg in all. If 83/9 kg of these be apples, 25/6 kg be oranges and the rest pears. What is the weight of the pears in the basket?

A: 271/18 kg

B: 269/18 kg

C: 281/18 kg

D: 275/18 kg

Answer: D

Q15: Find the cost of 23/5 meters of cloth at Rs. 137/4 per meter.

A: Rs. 3151/20

B: Rs. 3141/20

C: Rs. 3171/20

D: Rs. 3131/20

Answer: A

Q16: Find the area of a rectangular park which is 183/5 m in length and its breadth is one-third of its length.

A: 11163/25 sq. m.

B: 1163/5 sq. m.

C: 11123/25 sq. m.

D: 1113/5 sq. m.

Answer: A

Q17: A cord of length 165/2 m has been cut into 24 pieces of equal length. What is the length of each piece?

A: 11/3 m

B: 33/8 m

C: 45/14 m

D: 55/16 m

Answer: D

Q18: The sum of the rational numbers (–7/19) and (–6/57) is:

A: -9/19

B: 9/19

C: -13/19

D: 13/19

Answer: A

Q19: Which of the rational numbers 7/9, -5/6, -7/-11 and 11/-20 is the smallest?

A: -7/-11

B: 11/-20

C: 7/9

D: -5/6

Answer: D

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Q20: Find: 36/7 + 17/7 × 35/68

A: 169/28

B: 173/28

C: 165/28

D: 179/28

Answer: D

Q21: Vijay decided to do his Science homework a little bit each day. On the first day he did 1/8 of the homework, the second day he completed 1/6 of the homework and the third day he worked 1/2 of the homework. How much of the homework has Vijay completed?

A: 18/25

B: 19/24

C: 17/24

D: 17/25

Answer: B

Q22: Find the area of a rectangular park which is 248/3 m in length and its breadth is one-fourth of its length.

A: 15374/9 sq. m.

B: 15376/9 sq. m.

C: 15372/9 sq. m.

D: 15375/9 sq. m.

Answer: B

Q23: Neeraj earns Rs. 80000 per month. He spends 1/5 of his income on food; 7/12 of the remainder on house rent and 7/10 of the remainder on the education of children. How much money is still left with him?

A: Rs. 8200

B: Rs. 7800

C: Rs. 9000

D: Rs. 8000

Answer: D

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Q24: Which of the rational numbers 11/15, 13/18, 9/12 and 17/23 is the smallest?

A: 11/15

B: 13/18

C: 9/12

D: 17/23

Answer: B

Q25: Express 1.565656..... in the form p/q, where p and q are integers and q is not equal to 0.

A: 156/99

B: 154/99

C: 157/99

D: 155/99

Answer: D

Q26: Simplify the following: [25 + 10(6)1/2][25 – 10(6)1/2]

A: 25

B: 20

C: 35

D: 15

Answer: A

Q27: Simplify the following: (841/2 + 61/2)2 + (841/2 – 61/2)2

A: 168

B: 180

C: 156

D: 192

Answer: B

Q28: Evaluate the following: (42/9) – [(26/15) ÷ (16/45) ÷ (13/32)]

A: 22/3

B: – 22/3

C: 23/3

D: – 23/3

Answer: B

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Q29: Which of the following rational numbers lies between 8/9 and 17/12

A: 29/36

B: 3/2

C: 11/9

D: 30/19

Answer: C

Q30: The value of (336/74) ÷ (48/37) is:

A: 3/2

B: 5/2

C: 7/2

D: 9/2

Answer: C